

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/017061

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B32B27/30, 27/32, H01M2/16, C08J9/36, B01D69/12, 71/26, 71/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B32B1/00-35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-240215 A (Tonen Chemical Corp.), 28 August, 2002 (28.08.02), Claims 1, 4; Par. Nos. [0022] to [0024], [0025] to [0026], [0029] (Family: none)	1-5
A	JP 11-207888 A (Nitto Denko Corp.), 03 August, 1999 (03.08.99), Full text (Family: none)	1-5
A	WO 2002/015299 A1 (LG CHEMICAL CO., LTD.), 21 February, 2002 (21.02.02), Full text & JP 2004-506542 A & EP 1310005 A1 & US 2002/15299 A1	1-3

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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- "P" document published prior to the international filing date but later than the priority date claimed

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
10 February, 2005 (10.02.05)Date of mailing of the international search report
01 March, 2005 (01.03.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-224526 A (Japan Gore-Tex Inc.), 12 August, 1994 (12.08.94), Full text (Family: none)	1-2
A	JP 2000-225328 A (Nitto Denko Corp.), 15 August, 2000 (15.08.00), Full text & EP 1005891 A1 & US 6302934 B1	1-2
A	JP 8-258198 A (Nitto Denko Corp.), 08 October, 1996 (08.10.96), Full text (Family: none)	1-2
A	JP 2000-211073 A (Nitto Denko Corp.), 02 August, 2000 (02.08.00), Full text & EP 1022130 A1	1-2